Movie Cube

User’s Guide to Wireless Function

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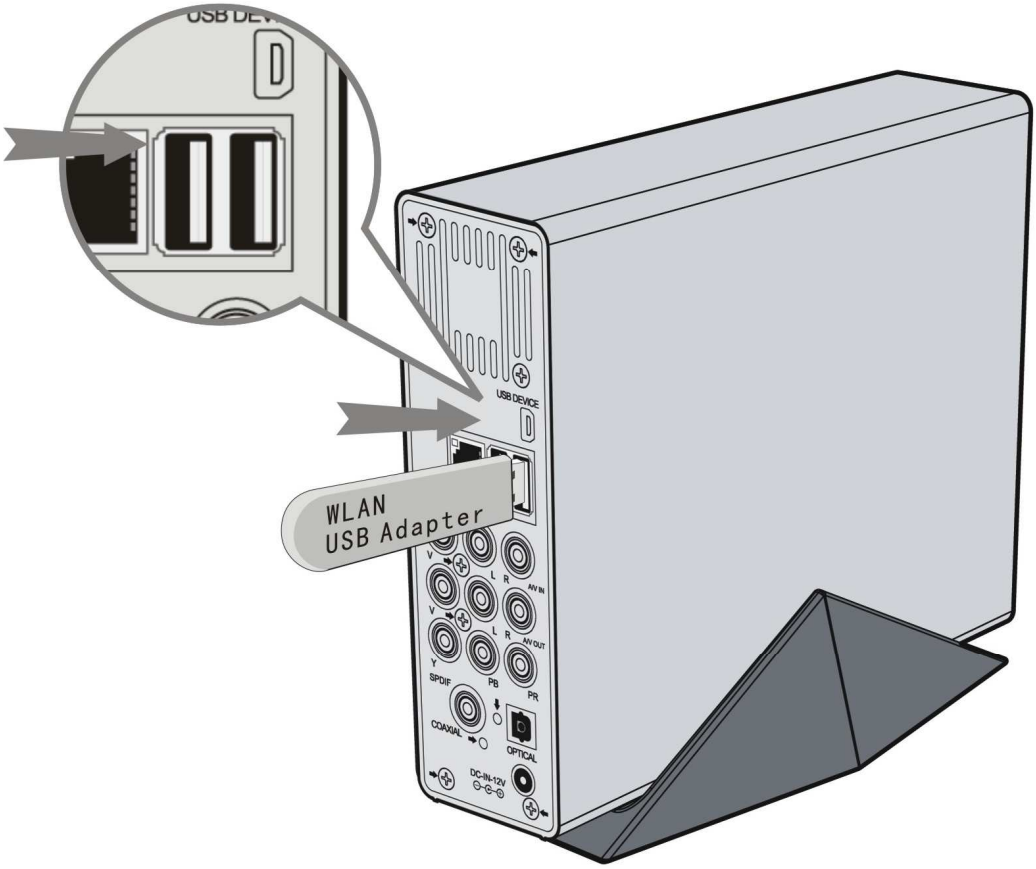
Notice:

To ensure the functionality of the Wifi USB dongle on EMTEC Movie Cube, you have to check if your firmware is v2.0.7 or higher. If this is not the case then please download the latest firmware upgrade from www.emtec-international.com

1. WLAN USB Adapter Connection

A) Make sure the player is powered on;

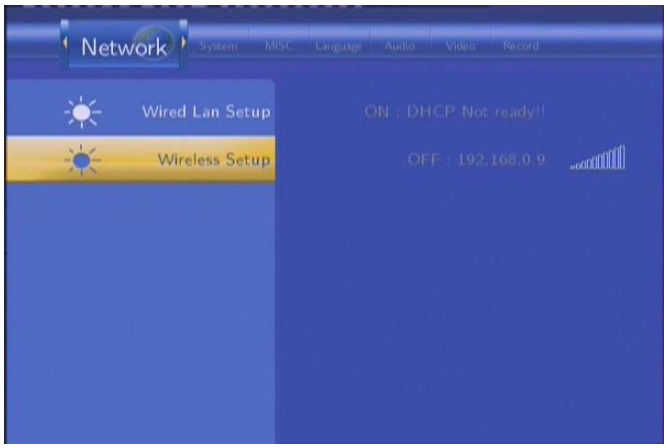
B) Plug the Wireless LAN USB Adapter to one of the USB HOST ports of the player.



2. Wireless Setup

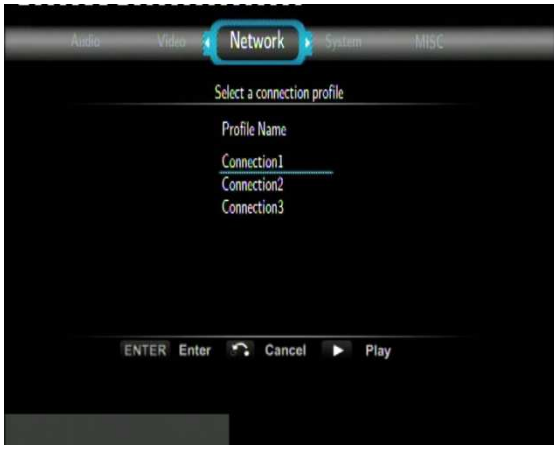
Select **Setup** from the **Guide** menu or select

on the remote control to enter the Setup Menu. Press and on the remote control to select the **Network** tab from the menu bar.



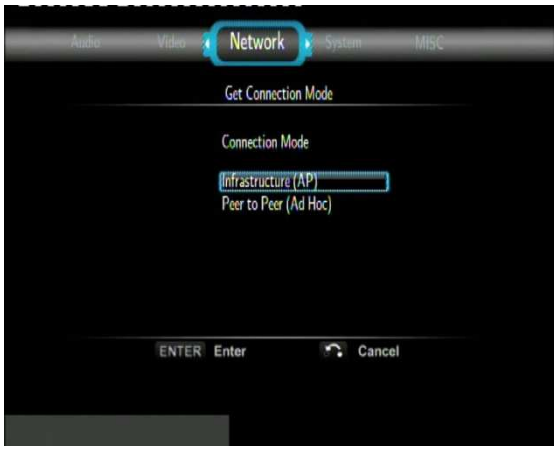
Wireless Setup	Select to set the WLAN (Wireless Local Area Network) Settings. Before using the wireless functions, please check following items: 1) Connect the WLAN USB Adapter to one of the USB HOST ports; 2) Make sure your network has a wireless router or an AP (Access Point), or at least your PC should be equipped with a wireless network adapter/card; 3) Please turn off your PC's firewall; 4) Please share the folders which you wish to browse on your PC, and make sure that 'Everyone' has the right to access; 5) Make sure your player is in the effective range of the WLAN.

- **Selecting a connection profile**



This player can store up to three wireless network connections. Press **ENTER** to go to next step, press **RETURN** to cancel, and press **PLAY** to connect.

- **Get Connection Mode**

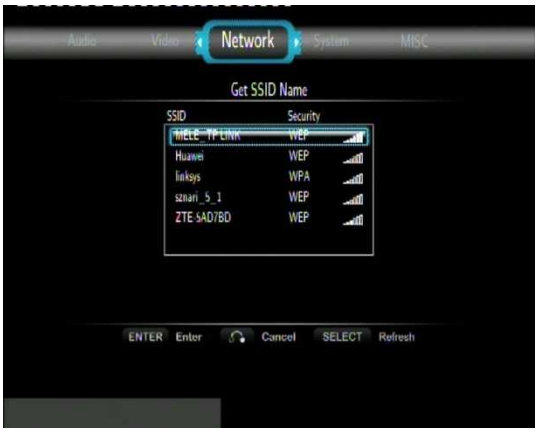


Choose between **Infrastructure (AP)** and **Peer to Peer (Ad Hoc)**. Press **ENTER** to go to next step, and press **RETURN** to cancel.

2.1 Infrastructure (AP)

Infrastructure mode is used to connect computers with wireless network adapters, also known as wireless clients, to an existing wired network with the help from wireless router or access point.

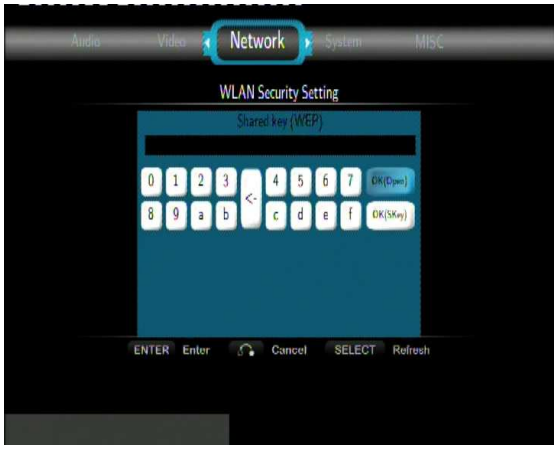
- **Get SSID Name**



Press **ENTER** to go to next step, press **RETURN** to cancel, and press **SELECT** to refresh the SSID list.

Note: In the Security list, **WEP** (Wired Equivalent Privacy) and **WPA** (Wi-Fi Protected Access) means the network is encrypted, i.e. an encryption key is needed to access the network. **NONE** means it is an open system network.

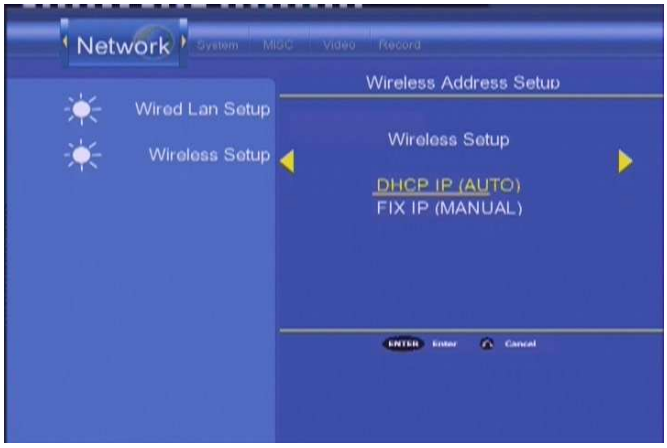
- **Input WEP / WPA Key**



Encryption keys can be inputted via the virtual keyboard. Press the navigational buttons to select, **ENTER** to input, **CAPS** to switch between uppercase and lowercase, **<-** to delete a character, **->** to insert a space, **shift** to make more symbols available, and **OK** to confirm.

- **Wireless Address Setup**

A) If there is a DHCP server on your network, i.e. a router is equipped and its DHCP function is enabled, select **DHCP IP (AUTO)** to set the IP address automatically.



B) Otherwise, please select **FIX IP (MANUAL)** to set the IP address manually.

Press and to select **FIX IP (MANUAL)**, and press .

Use the numerical buttons on the remote control to enter **IP Address**, **Subnet Mask**, and **Default Gateway**, and press to confirm. For further assistant to the above settings, please contact to the network administrator.

- **Test connection**

The testing process will take for a while, please be patient to wait. If the test is ok, the network information (Profile Name, IP address, Subnet Mask, Gateway, etc.) will be displayed on the screen.

2.2 Peer to Peer (Ad Hoc)

Peer to Peer mode, which is also called Ad Hoc mode or computer-to-computer mode, is used to connect wireless clients directly together, without the need for a wireless router or access point.

- **Ad-Hoc Setup**

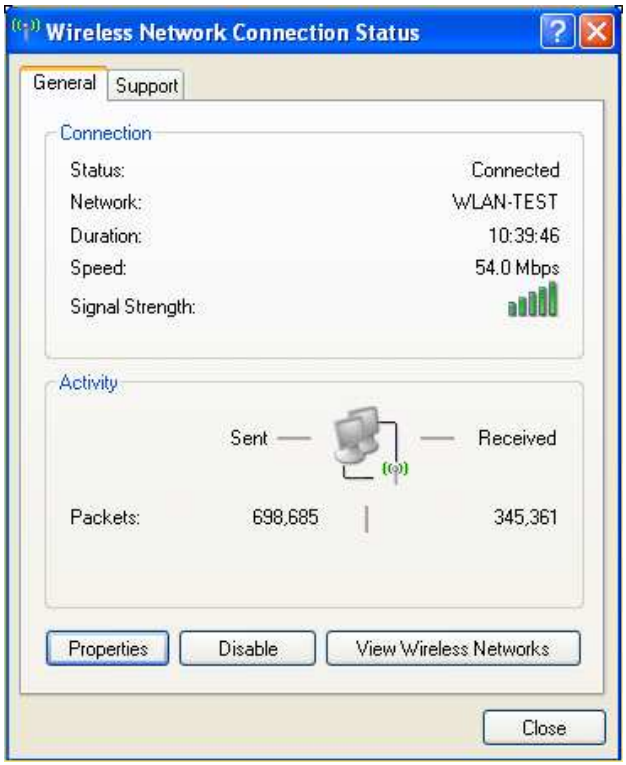
Press **ENTER** to go to next step, press **RETURN** to cancel, and press **PLAY** to connect.

2.3 Settings for PC

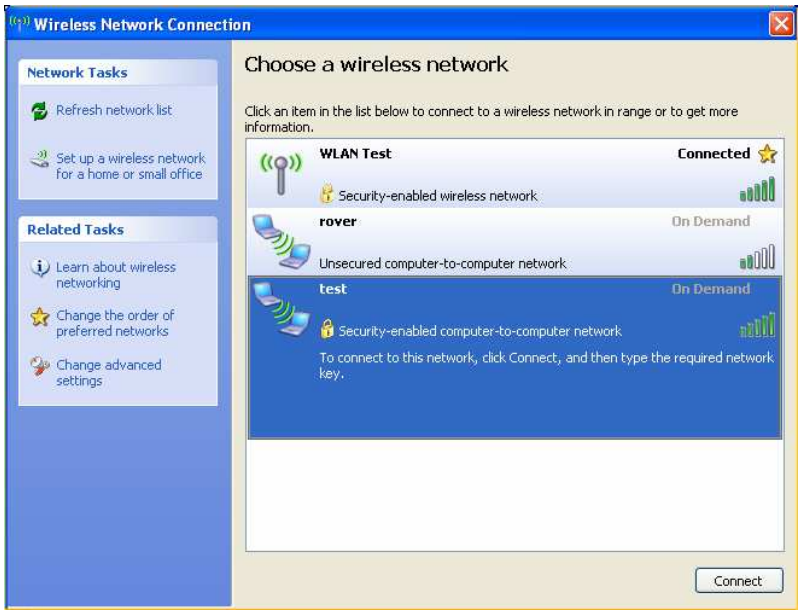
The following shows an example on Windows XP Operating System. Settings might not be the same due to different operating systems and wireless network adapter/card drivers.

- **Choose the wireless SSID**

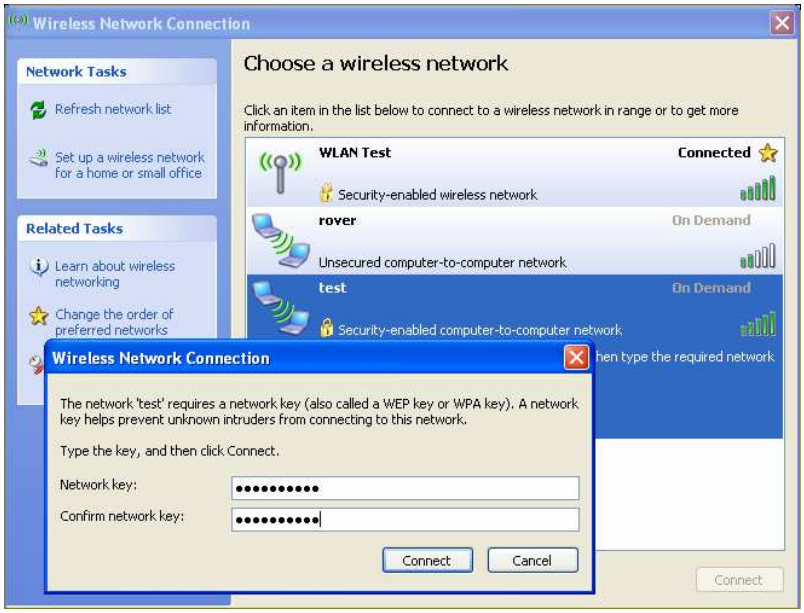
Step 1: Click on the Wireless Network Connection icon in the notification area, i.e. system tray.



Step 2: Click **View Wireless Networks**, a network list will be displayed.


Wireless Network Connection
Network Tasks
Refresh network list
Set up a wireless network for a home or small office
Related Tasks
Learn about wireless networking
Change the order of preferred networks
Change advanced settings
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
WLAN Test
Connected
Security-enabled wireless network
rover
On Demand
Unsecured computer-to-computer network
test
On Demand
Security-enabled computer-to-computer network
To connect to this network, click Connect, and then type the required network key.
Connect

Step 3: Select the wireless SSID (which is set in Ad-Hoc Setup) in the network list. And click **Connect**.


Wireless Network Connection
Network Tasks
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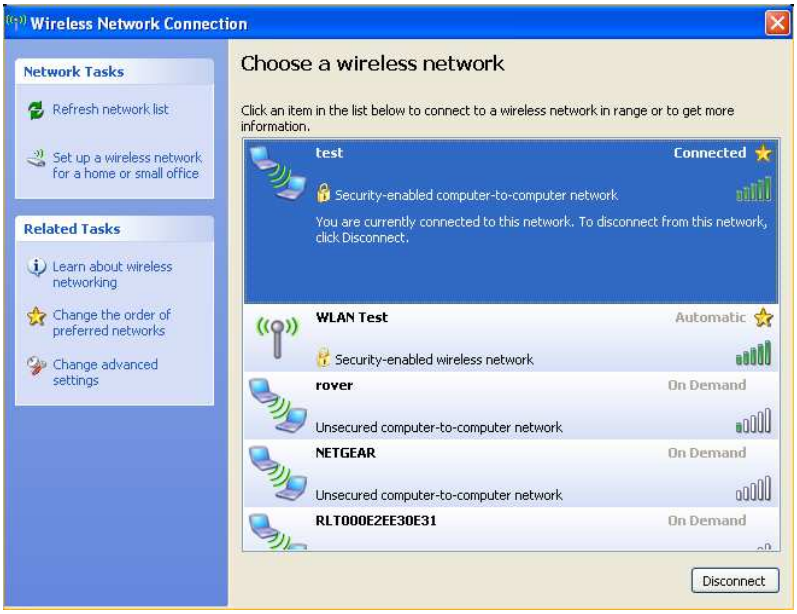
WLAN Test
Connected
Security-enabled wireless network
rover
On Demand
Unsecured computer-to-computer network
test
On Demand
Security-enabled computer-to-computer network
Wireless Network Connection
The network 'test' requires a network key (also called a WEP key or WPA key). A network key helps prevent unknown intruders from connecting to this network.
Type the key, and then click Connect.
Network key:
Confirm network key:
Connect
Cancel
Connect

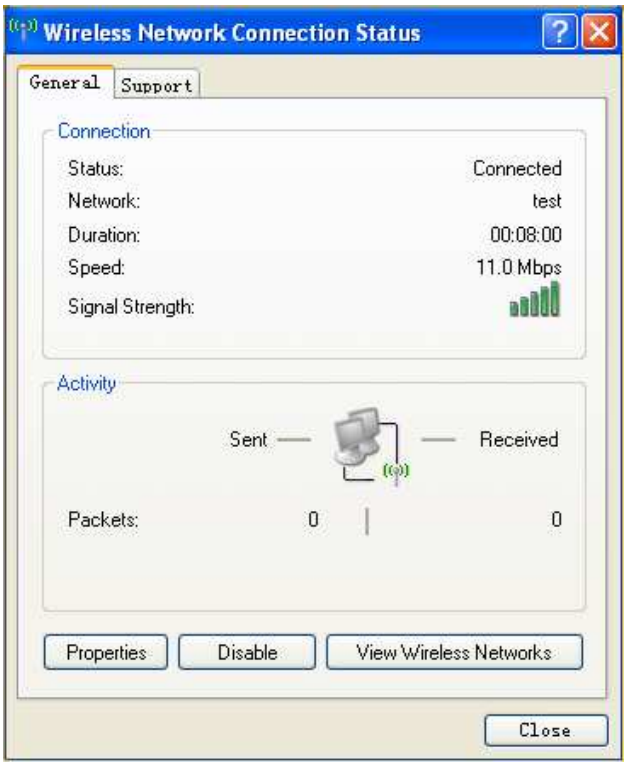
Enter the network key if it is not an open system network. And click **Connect**. The computer-to-computer network will be built. And the network status will be changed into **Connected**.



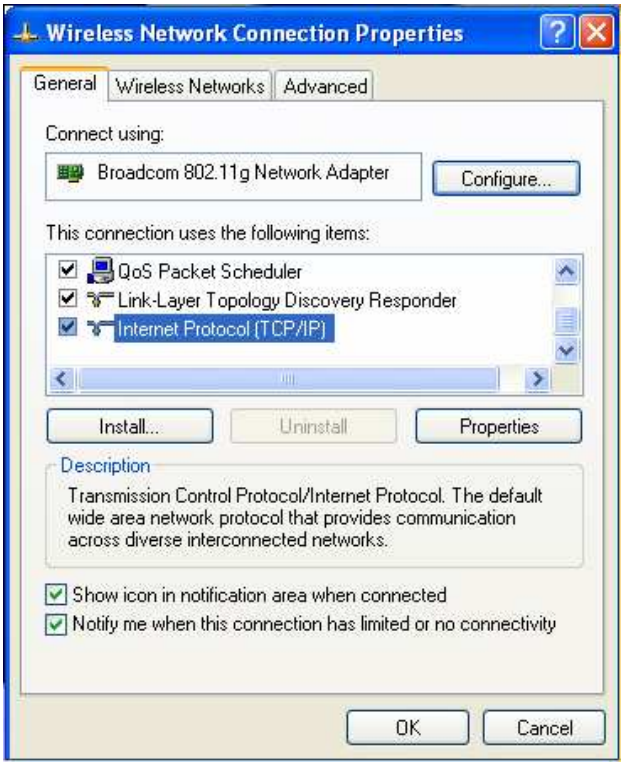
Note: If the SSID you wish to connect is not in the list, please click **Refresh network list**, and try again.

- **Setup the IP address for PC**

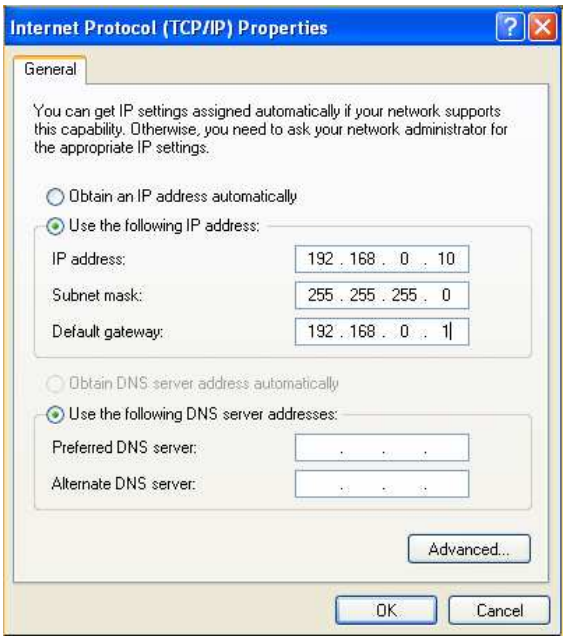
Step1: Select **Change advanced settings** in Wirleless Network Connection dialog box.



Step 2: Click **Properties**.



Step 3: Double click **Internet Protocol (TCP/IP)**.

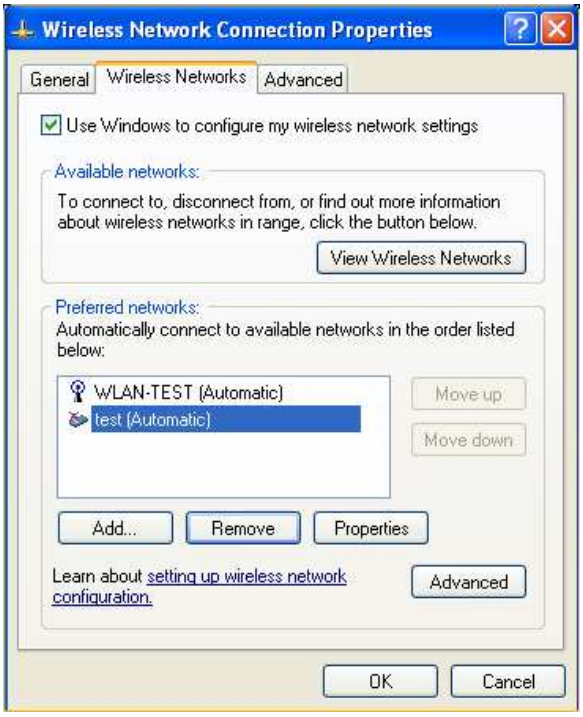

Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
192 . 168 . 0 . 10
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
192 . 168 . 0 . 1
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

Click **Use the following IP address**, and manually enter the **IP address**, **Subnet mask**, and **Default gateway**. Then click **OK** to confirm.

Note: Be sure to put the player and the PC on the same subnet and in the same IP range. For example, if you set the IP on the player to 192.168.1.3, be sure to set the PC to something different inside that same range (192.168.1.2-254).

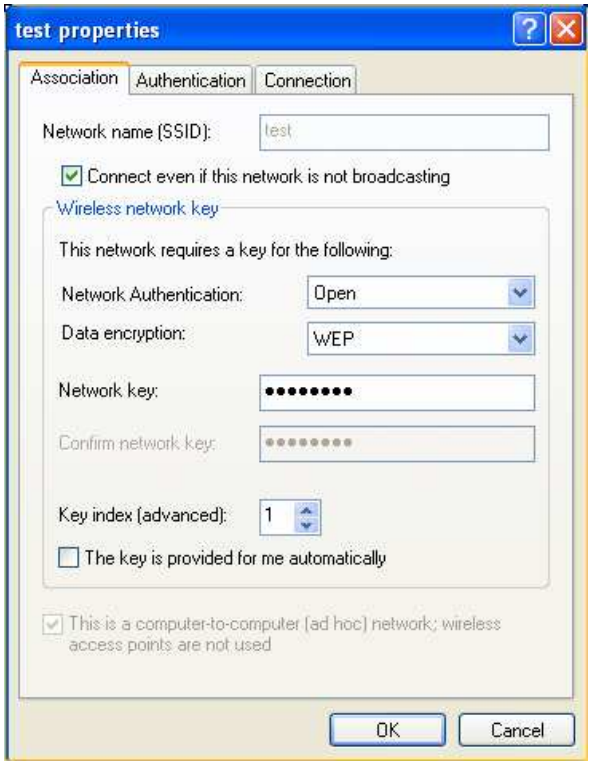
- **Set the network adapter/card to run in ‘ad hoc’ mode**

Step 1: Click **Wireless Networks** tab on Wireless Network Connection Properties dialog box.



Note: You can also click **Add** to manually add the wireless SSID here.

Step 2: Select your SSID in **Preferred networks**, and click **Properties**.



Step 3: Select **Network Authentication** and **Data encryption** mode properly, and make sure a check has been added to the box to specify that **This is a computer-to-computer (ad hoc) network; wireless access points are not used**. Click **OK** to save the entry.

3. Getting Started

When the wireless setup is done, you can start using the powerful wireless function of this player, and enjoy the happiness.

3.1 Browsing Content via WLAN

You can view the multimedia files shared on the wireless network in the Browser menu.

When selecting NET in the Browser menu, there are two ways to locate the multimedia files shared on your WLAN. One way is to browse through workgroup; the other way is to browse through **My Shortcuts**.

Note:
1. Operations are the same as the wired network function. Please refer to the chapter about ***Network Function*** in the user manual;
2. While browsing high definition video files (resolution up to 720p / 1080i / 1080p) via WLAN, the video might be buffering. It is normal due to the limit of network speed and signal strength.

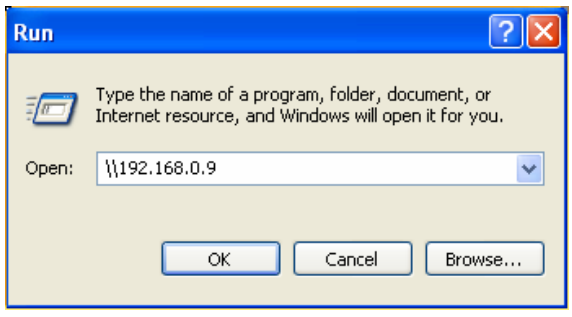
3.2 Network Copy

Press the **F1** button on the remote control, there appears the File Copy menu where you are allowed to copy files between USB, HDD, and NET. Operations are specified in the chapter about ***File Copy*** in the user manual.

3.3 NAS function

This player can be used as a NAS (Network-Attached Storage) device.

When the network connection is done correctly and ready for use, type: \\NAS or \\IP Address in the Run window (click Run in the start menu) or the address bar of Internet Explorer on your PC (For example, if the IP address of the player is 192.168.0.9, please type: \\192.168.0.9 or \\NAS), and click OK or press the Enter button on the keyboard. Then you can view, and edit the files stored on the hard disk installed on the player. In this way, you can playback and copy files via wireless network between your PC and the player without a USB or Ethernet cable.



Note: NTFS partitions will be read-only.

4. Troubleshooting

Q1: I cannot get SSID name, the screen always displays: ‘Can’t get any SSID!!’

A: When the WLAN USB Adapter is connected to the player, it needs some time to get initialized. Please wait for about 1~2 minutes and try again. Then it will work properly.

Q2: I configured everything correctly, but still cannot get the wireless network connected.

A: Are you using a firewall such as Norton Internet Security, McAfee Personal Firewall, Zone Alarm, etc. or even the built-in firewall of Windows XP? (Don’t forget that Service Pack 2 for Windows XP automatically upgrades your firewall and turn it on by default)

If you have a firewall, it may need to be configured or have exceptions created to allow you to see and communicate with the player on the network. To test if your firewall is preventing network communication (including PING and access shared folders), try disabling it to see if you can connect. If you can connect with the firewall disabled, you may need to add the player to the ‘Trusted’ list or configure the firewall for local intranet access. Worst-case, disable your firewall long enough to use the player, then enable it again when done.

Q3: I’m using Windows Vista, and I cannot use the NAS function.

A: Use the following commands to resolve this problem:

Press Windows logo key + R. Then, type in the Run field: ‘secpol.msc’, and click OK. It will bring you to Vista's security policy system. Once there, go to: ‘Local Policies’ -> ‘Security Options’, and then find: ‘Network Security: LAN Manager authentication level’. Change the Setting from ‘Send NTLMv2 response only’ to ‘Send LM & NTLM -- use NTLMv2 session security if negotiated’.

Q4: When I am using the NAS function, I cannot copy files to the player.

A: Please check the file system format of the hard disc drive partitions on the player. NTFS partitions are read-only on the system. Therefore, files cannot be written onto any NTFS partitions via the NAS mode. However, you can copy the files you wish to the NTFS partitions via a USB cable.